

1 Amendments to the specification:

2

3 Page 8 starting with line 7

4 ~~Figure 4A is a aerial photo of an example of an existing "T"~~
5 ~~interchange of a four lane interstate highway with a two lane~~
6 ~~highway.~~

7

8 page 12 beginning with line 21:

9 Figure 2 is a aerial photo of an example of another existing "T"
10 intersection of a four lane expressway with a two lane highway
11 shown generally at 35. This "T" intersection is in Douglas County
12 Wisconsin. The two lane highway 36 is Wisconsin Highway 253 and the
13 divided highway 38 is U.S. Highway 53. The two lane highway and
14 the four lane highway connect form a "T" intersection 40. Divided
15 highway 38 ~~42~~ has a paved median 44 between the lanes of
16 traffic. When a vehicle is traveling on the two lane highway 36
17 toward the divided expressway 38 ~~46~~, that vehicle generally
18 must stop before attempting any turns onto the expressway. Any
19 traffic that passes in front of his vehicle is traveling from left
20 to right. When making a right turn onto the first two lanes 46 of
21 the expressway the vehicle must pull into the first lane within a
22 short distance. As can be seen in the aerial photo there is no "on
23 ramp" for a vehicle to get up to speed before merging onto the
24 expressway lanes.

25 If a driver desires to make a left turn onto a divided

1 expressway that person must stop at the intersection. Any traffic
2 passing in front of him would be passing from left to right. When
3 the driver feels it is safe, he must cut across the first two lanes
4 46 of expressway traffic and stop or slow down in the expressway
5 paved median 44 —48—. The vehicle stopped in the median 44 —48—
6 between the two traffic lanes of the expressway now has any traffic
7 passing in front of him from right to left in the next two lanes 50
8 of the expressway. Vehicles making a left turn off of the
9 expressway are making a left turn in front of the stopped vehicle
10 in the paved median 48.

11

12 Page 16 beginning with line 20:

13 —Figure 4A is a aerial photo of an example of an existing
14 "T" interchange shown generally at 57 of a four lane interstate
15 highway with a two lane highway. This interchange — An example of
16 how a two lane highway would be connected to an interstate highway
17 as a "T" interchange is built in Wisconsin, in St Croix County,
18 where —Highway U.S. 2— Wisconsin State Highway 35 intersects
19 Interstate Highway I-94. —90. Note that two short— Two bridges
20 are used on the interstate lanes to pass over the two lane highway;
21 and the two lane highway passes under the two bridges and under the
22 two interstate lanes. Ramps are included so that vehicles are not
23 requred to stop in any direction. This is a similar concept to the
24 "T" interchange design shown in Fig. 4.

1 Page 19 beginning with line 17:

2 ~~Figure 6A is a aerial photo of an example of an existing four~~
3 ~~lane interstate highway in~~ In Indiana and Illinois interstate
4 highways, vehicles can ~~—~~ Vehicles ~~—~~ exit into the median for
5 fuel and for use of ~~the~~ a restaurant.

6

7 Page 24 beginning with line 22:

8 Some additional features that could be incorporated into the
9 interchange include a safety fence 187 ~~—188—~~ on both sides ramp
10 173 and ramp 175. Another feature would be a fence or barrier 188
11 ~~—189—~~ in the median 172 between lanes 110 and the end of highway
12 98. This would prevent traffic from getting into lanes 110 without
13 using on ramp 178. The design shown in FIG 9 could be incorporated
14 where there is a difference in elevation between the two expressway
15 lanes through a hilly area, for example. Lanes 106 may be 15 to 20
16 feet lower than lanes 110.

17

18 page 27 beginning with line 10:

19 Vehicles traveling in a direction ~~right to~~ left to right
20 on expressway lanes 106 that intend to travel through the
21 interchange without turning travel up ramp 173, over bridge 174,
22 down ramp 175 and continue on lanes 106.

23 If a vehicle that is traveling in a right to left direction on
24 divided expressway 110 wants to make a left turn onto two lane

1 highway 98, first takes off ramp 184. That vehicle then stops at
2 stop sign 186. After stopping, the vehicle then turns left and
3 passes under bridge 174 ~~176~~ and continues on two lane highway
4 98.

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